

## CLAIMS

1. A removable post-operative limb dressing comprising:
  - a thermo plastic gel liner;
  - a protective covering over the liner;
  - a removable cast; and
  - a securing means for securing the removable cast onto the limb.
2. The dressing of claim 1, further comprising a distal pad, wherein the distal pad is placed at a distal end of the limb, over the thermo plastic gel liner and under the protective covering.
3. The dressing of claim 1, wherein the thermo plastic gel liner is tubular shaped and closed at one end and open at another end.
4. The dressing of claim 1, wherein the protective covering is a fabric.
5. The dressing of claim 1, wherein the protective covering is closed at one end and open at another end.
6. The dressing of claim 1, wherein the removable cast is cut along its periphery.
7. The dressing of claim 5, wherein the removable cast is cut into more than one portion.
8. The dressing of claim 1, wherein the removable cast is not completely cut and comprises a hinge keeping the removable cast as one piece.
9. The dressing of claim 1, wherein the one or more securing means comprise one or more straps.

10. The dressing of claim 1, wherein the cast comprises an opening proximate a joint.
11. The dressing of claim 1, wherein the dressing is suitable for a below-the-knee amputated leg.
12. A method of dressing a post-operative limb comprising:  
applying a thermo plastic gel liner on a post-operative limb;  
placing a distal pad on a distal end of the post-operative limb above the thermo plastic gel liner;  
covering the post-operative limb with a protective covering over the thermo plastic gel liner;  
wrapping the post-operative limb over the protective covering with a wrapping means;  
placing a spacer around the perimeter of the limb prior to applying the cast forming gauze;  
cutting the cast proximate the spacer;  
wrapping the post-operative limb with a cast forming gauze, wherein the cast forming gauze solidifies to form a cast;  
shaping the residual muscle tissue before the gauze solidifies;  
cutting the cast along its periphery sufficient to permit removal of the cast;  
and  
securing the cast on the post-operative limb with one or more securing means.

13. The method of claim 12, further comprising placing a pad proximate a joint and cutting the cast proximate the pad prior to securing the cast on the post-operative limb.

14. The method of claim 12, wherein the spacer is removed prior to securing the cast on the post-operative limb.

15. The method of claim 12, wherein cutting the cast along its periphery is cutting the cast into two separate portions.

16. A method of making a removable cast suitable for use with a post-operative limb comprising:

applying a thermo plastic gel liner on a post-operative limb;

covering the post-operative limb with a protective covering over the thermo plastic gel liner;

wrapping the post-operative limb over the protective covering with a wrapping means;

wrapping the post-operative limb with a cast forming gauze, wherein the cast forming gauze solidifies to form a cast; and

cutting the cast along its periphery sufficient to permit removal of the cast.

17. The method of claim 16, further comprising placing a pad proximate a joint and cutting the cast proximate the pad.

18. The method of claim 16, further comprising shaping the residual muscle tissue before the gauze solidifies.

19. The method of claim 16, further comprising placing a spacer around the perimeter of the limb prior to applying the cast forming gauze.

20. The method of claim 19, further comprising cutting the cast proximate the spacer.

21. The method of claim 19, wherein the spacer is removed prior to securing the cast on the post-operative limb.

22. The method of claim 16, wherein cutting the cast along its periphery is cutting the cast into two separate portions.